Phone:080-22945350 **Email:**cewwmwest@bwssb.gov.in

BANGALORE WATER SUPPLY AND SEWERAGE BOARD
Office of The Chief Engineer (Waste Water Management-West)
6th Floor, Cauvery Bhavan, KG Road, Bangalore - 560009

No.BWSSB/ CE(WWM-West)/ DCE(WWM-E&W)/ TA-2/890 /2023-24 Date: 16-02-2024

ADDENDUM - 1

Sub: Tender for Design and Up-gradation of Existing 10 MLD Capacity Tertiary Treatment Plant at Yelahanka Based on IFAS Process and With Operation and Maintenance for a period of Seven Years (5+2) Including Two Years of O&M during Works Contract On Turnkey Basis.

Ref: IFT No. BWSSB/CE(WWM-W)/ACE(WWM-P-W)/DCE(WWM-E&W)/TA-2 /828/ 2023-24 Dt: 31.01.2024.

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With reference to the above subject, invitation for the tender was invited vides IFT mentioned in reference letter. This addendum/corrigendum indicates the details of changes made in the uploaded Bid Document along with replies to pre bid queries.

Chief Engineer(WWM-W)
BWSSB

PRE BID REPLY

BANGALORE WATER SUPPLY
AND
SEWERAGE BOARD
CAUVERY BHAVAN, KEMPEGOWDA ROAD,
BANGALORE – 560 009

REPLY TO PRE-BID QUERIES FOR THE WORK OF DESIGN AND UP-GRADATION OF EXISTING 10 MLD CAPACITY TERTIARY TREATMENT PLANT AT YELAHANKA BASED ON IFAS PROCESS AND OPERATION & MAINTENANCE FOR A PERIOD OF SEVEN (7) YEARS (TWO (2) YEARS DURING WORK CONTRACT AND FIVE (5) YEARS AFTER WORK CONTRACT) ON TURNKEY BASIS.

Tender Number: BWSSB/CE(WWM)West/ACE(WWM-P-WEST)/P/DCE(WWM-E&W)/TA-2/828/2023-24 DT 31-01-2024

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
1	Tender document, Vol.1, clause 4.8 A) Particular construction experience at page 16	ii) General experience in Execution of STPs The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete new or up-gradation of existing, Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity based on the EA/ASP/A2O Process in India and the plant / plants should be in operation for a period of One Year within the last Seven (7) years as on date of submission.**	Tender has been invited for design and construction of 10MLD STP based on IFAS technology. However, experience of STP based on IFAS has been included. Further SBR is also similar to the existing technology. Thus, we hereby request your esteem to please allow experience of STP based on EA/ASP/A2O/SBR/IFAS.	Yes, Bidder to read as 'The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete new or up-gradation of existing, Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity based on the EA/ASP/A2O/SBR/IFAS Process in India and the plant / plants should be in operation for a period of One Year within the last Seven (7) years as on date of submission.**
2		We request you to please extend the tender submission date at least by 1 month so that proper techno-commercial bid can be submitted.		Tender Conditions Prevail

<table>
<tr><th>Sl. No.</th><th>Tender Reference</th><th>As per Tender Specifications</th><th>Bidders Queries</th><th>Client Response</th></tr>
<tr><td>3</td><td>Tender document vol-2/Section 7, Consolidated Mechanical Equipment vendor list at part 8-115</td><td>Consolidated mechanical Equipment vendor list<table><tr><th>S. No.</th><th>Item Description</th><th>Approved vendor/Manufacture/Make</th></tr><tr><td>20</td><td>IFAS</td><td>M/s Ovivo</td></tr><tr><td></td><td></td><td>M./s ARYEMIS KautschukGmBH</td></tr><tr><td></td><td></td><td>M/s World Water Works</td></tr><tr><td></td><td></td><td>M/s Success MechanicsCo. Ltd</td></tr><tr><td></td><td></td><td>M/s Aqwise</td></tr><tr><td></td><td></td><td>M/s Aqua Aura</td></tr><tr><td></td><td></td><td>M/s. Euroclean TBR</td></tr></table></td><td>We request you to please allow the make of 'Enviro Infra Engineers Limited' for IFAS system. Since 'Enviro' has provided 2 STP of 23.18 and 18.46MLD STP at Mehsana, Gujarat for GUDC based on IFAS system.
The copy of certificates are attached for your reference.</td><td>Vendor credential approval shall be considered during detailed engineering.</td></tr>
<tr><td>4</td><td>Tender Document, Vol-2/ Section-7, Part 1-7</td><td>During up-gradation if contractor fail to operate the plant and pump treated sewage to existing consumer (Airport, Prestige and other consumers) the revenue out of which shall be recovered from Contractor's running bill.</td><td>Please confirm the availability of sewage to ensure the revenue generation during construction phase and O&M period. If, the availability of sewage is less than 10MLD, in that case, how the revenue will be share.</td><td>Yes confirmed, it is the responsibility of the contractor to ensure the treatment of influent as per the norms and as per the availability of inlet sewage and pump the treated sewage to existing consumer as per the demand.</td></tr>
<tr><td>5</td><td>Tender document, Vol-2/Section-7, Part 1-7</td><td>During up-gradation if contractor fail to operate the plant and pump treated sewage to existing consumer (Airport, Prestige and other consumers) the revenue out of which shall be recovered from Contractor's running bill.</td><td>During construction period, due to up-gradation and modification of existing STP the running of the plant will not be at 10MLD. In that scenario, how the revenue will be share.</td><td>Yes confirmed, it is the responsibility of the contractor to install the equipment stream / module wise/ equipment wise with working and standby mode without effecting the treatment of influent received.</td></tr>
<tr><td>6</td><td>Tender document, Vol-2/Section-7, Part 1-7</td><td>During up-gradation if contractor fail to operate the plant and pump treated sewage to existing consumer (Airport, Prestige and other consumers) the revenue out of which shall be recovered from Contractor's running bill.</td><td>During rainy seasons, when there is no demand for treated sewage than how the revenue will be generated and share.</td><td>Yes confirmed, it is the responsibility of the contractor to ensure the treatment of influent as per the norms and as per the availability of inlet sewage and pump the treated sewage to existing consumer as per the demand.</td></tr>
<tr><td>7</td><td>23 of 143</td><td>11.4 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer. The tenderer shall not consider any exemption related</td><td>These clauses stated all duties and taxes included in the rate, and total price submitted by the tenderer.</td><td>Contract price is exclusive of GST</td></tr>
</table>

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
	80 of 143	to taxes and duties while quoting their price. **39. Tax** 39.1 The rates quoted by the Contractor shall be deemed to be inclusive of the sales and other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.	As per Tender document's page no. 05, 66 & 84 of 143. "Amount put to tender is exclusive of GST" Kindly clarify rates put in tender is inclusive or exclusive of GST Please clarify.	
8	15 of 143	**General Construction Experience** (a) It has been actively engaged in the civil works construction business for at least the last seven years prior to the date of submission of applications, in the role of prime contractor, partner in a joint venture and	For defining the work experience period, Financial Year is most suitable for this tender, thus request you to kindly amend the said clause as per below mentioned clause. (a) It has been actively engaged in the civil works construction business for at least the **last seven Financial Years preceding the date of Bid invitation** prior to the date of submission of applications, in the role of prime contractor, partner in a joint venture and	Tender Conditions prevail.
9	16 of 143	**A) Particular Construction Experience** (i) Contracts of Similar Size and Nature: The Applicant shall provide evidence that it has successfully completed Design and construction of at least one similar STP completed contract of not less than **INR 14.55 Crore in last 7 (seven) years**. The similarity shall be based on the physical size, complexity, methods, technology or other characteristics as described in Section 7 (Specifications).	**For defining work experience period of 7 years and similarity in complexity of methods**, Kindly modify the clause as under: (i) Contracts of Similar Size and Nature: The Applicant shall provide evidence that it has successfully completed Design	Tender Conditions prevail.

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
			and construction of at least one similar STP completed contract of not less than **INR 14.55 Crore in last 7 (seven) Financial years preceding the date of Bid invitation**. The similarity shall be based on the **physical size, complexity, methods** or other characteristics as described in Section 7 (Specifications).	
10	16 of 143	**(ii) General Experience in Execution of STPs** The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete new or up-gradation of existing, Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity based on the EA/ASP/A2O Process in India and the plant / plants should be in operation for a period of One Year within the last Seven (7) years as on date of submission.**	**For defining work experience period of 7 years and process technology**, Kindly modify the clause as per below mentioned: **(ii) General Experience in Execution of STPs** The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete new or up-gradation of existing, Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity based on the EA/ASP/A2O/SBR Process in India and the plant / plants should be in operation for a period of One Year within the**	Tender Conditions prevail.

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
			lastSeven (7) Financial Years preceding the date of invitation of bid.	
11	17 of 143	**b) Experience in Key Activities:** The Tenderers shall provide evidence that it has a minimum experience in the following key activities within the last 7 (seven) years prior to the date of submission of applications, **1. Specific Experience in Execution of STPs** The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of **minimum One (1) No. of Sewage Treatment Plant contract of 5MLD capacity of New or Up-gradation of existing based on Integrated Fixed Film Activated Sludge (IFAS) in India during the last Seven (7) years as on date of submission.**	Since IFAS is a newly introduced process technology in India which is installed in limited numbers only and is proposed for the subject tender of "10 MLD capacity Tertiary Treatment Plant at Yelahanka". Therefore bidder must be given an **option to collaborate with Technology provider to qualify for the said clause.** Further, **for defining work experience timeline, the experience is also requested to be sought within last 7 Financial years.** Therefore the said clause in line to the above request may kindly be may kindly be amended as under: **b) Experience in Key Activities:** The Tenderers shall provide evidence that it has a minimum experience in the following key activities within the **last 7 (seven) Financial years** preceding the date of Bid Invitation. **1. Specific Experience in Execution of STPs**	Tender Conditions prevail.

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
			The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works **of minimum One (1) No. of Sewage Treatment Plant contract of 5MLD capacity of New or Up-gradation of existing based on Integrated Fixed Film Activated Sludge (IFAS) in India during the last Seven(7) Financial years preceding the date of bid invitation.** **OR** **In Case The bidder did not carry out** New or Up-gradation **Sewage Treatment Plants (STP) on Integrated Fixed Film Activated Sludge (IFAS),** then the bidder must tie up with the Technology Provider for design / performance guarantee of IFAS Technology. **Bidder must submit a MOU/Technology tie up agreement duly signed and notarized on a Rs. 100.00 non**	

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
			judicial stamp paper with a technology provider who must be fully equipped with trained manpower to extend services as and when required. **The technology provider shall have experience of providing Integrated Fixed Film Activated Sludge (IFAS) technology and equipments for at One (1) no STP of 8 MLD capacity in India or Abroad during last 7 Financial years preceding the date of invitation of bid** and are working satisfactorily and meeting the designed outlet quality. The Technology provider shall submit evidence / certificate signed in support of its experience. Such MOU/Technology tie up agreement shall be uploaded as a part of technical bid. Technical bid without MOU/Technology tie up agreement shall be rejected. Note: Technology provider can tie up with multiple bidders however cannot participate directly in the bid as Main bidder or as JV Partner. Otherwise, such bid(s) will be rejected.	

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
12	17 of 143	**2. Experience in Biological Nutrient Removal (BNR)** The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of minimum **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity designed to meet effluent standard as COD≤ 50 mg/L, BOD ≤ 10 mg/L, TSS ≤ 10 mg/L with BNR removal and should be in operation for a period of One year during the last 7 years as on date of Bid submission.**	**For experience timeline, the said experience is requested to be sought within last 7 Financial years and thus the criteria may kindly be amended as under:** **2. Experience in Biological Nutrient Removal (BNR)** The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of minimum **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity designed to meet effluent standard as COD≤ 50 mg/L, BOD ≤ 10 mg/L, TSS ≤ 10 mg/L with BNR removal and should be in operation for a period of One yearduring the last 7 Financial years preceding the date of Bid Invitation.**	Tender Conditions prevail.
13	17 of 143	**3. Experience in Operation and Maintenance** The Applicant as a sole entity or a Lead Partner or Partner in a Joint Venture shall have particular	**For experience timeline, the said experience is requested to be sought within last 7 Financial years and thus the**	Tender Conditions prevail.

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
		experience in Operation and Maintenance of at least minimum **One (1) No. of Sewage Treatment Plant in India of 8 MLD Capacity (New or Up-gradation of existing plant)** system for a period of One year during last 7 years as on date of Bid submission.	**criteria may kindly be amended as under:** **3. Experience in Operation and Maintenance** The Applicant as a sole entity or a Lead Partner or Partner in a Joint Venture shall have particular experience in Operation and Maintenance of at least minimum **One (1) No. of Sewage Treatment Plant in India of 8 MLD Capacity (New or Up-gradation of existing plant)** system for a period of One year **during last 7 Financial years preceding the date of Bid Invitation.**	
14	17 of 143	**4. Experience in Tertiary Filtration** The Applicant as a sole entity or a Lead Partner or Partner in a Joint Venture shall have successfully executed including design, procurement, supply, installation, construction, testing and commissioning of all civil, mechanical, electrical and instrumentation works of **One (1) No. of 8MLD Capacity Tertiary Filtration (cloth/Disk/sand media filter) in Sewage Treatment Plant (STP) in India and tertiary filter should be in Operation for a period of minimum one year during last Seven (7) years as on date of Bid submission.**	We understand that the main purpose of this clause is to judge the **Bidder's experience in "Tertiary Filtration"** and since Tertiary Filtration being more relevant in **Effluent treatment plants (ETPs)/ Common Effluent Treatment Plants (CETPs)** and thus same must be considered in addition to STPs experience. Further, **for defining work experience timeline, the experience is also requested to be sought within last 7 Financial years.**	Tender Conditions prevail.

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
			In view of our above observations, The aforesaid clause may please be amended as under: **4. Experience in Tertiary Filtration** The Applicant as a sole entity or a Lead Partner or Partner in a Joint Venture shall have successfully executed including design, procurement, supply, installation, construction, testing and commissioning of all civil, mechanical, electrical and instrumentation works of **One (1) No. of 8MLD Capacity Tertiary Filtration (cloth/Disk/sand media filter) in Sewage Treatment Plant (STP) / Common Effluent Treatment Plant (CETP) / Effluent Treatment Plant (ETP) in India and tertiary filter should be in Operation for a period of minimum one year during last Seven (7) Financial years preceding the date of bid invitation.**	
15	18 of 143	**4.11** (a) The tenderer who have applied for corporate debt restructuring (CDR)/ Strategic debt restructuring (SDR)/ facing recovery preceding	**Since the Practice of getting issued the certificate of statutory Auditor that the bidder is not under CDR/SDR/ not facing recovery preceding**	Confirmed, the bidder shall submit an affidavit.

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
		from Financial Institution/ facing winding up proceedings / those under NCLT in the last 5 Financial Years (i.e 2018-19 to 2022-23) shall not be considered for bid qualification. In this regard, the Bidder shall submit along with tender, An affidavit along with certificate of statutory Auditor that the bidder is not under CDR/SDR/ not facing recovery preceding from Financial Institutions / not facing winding up proceedings / not under NCLT need to be submitted by the tenderer.	**from Financial Institutions etc. is not the standard practice and is no more available. Further such clause was deleted and was replaced with the requirement of Submission of affidavit by the bidder in past tenders of BWSSB.** It is thus requested to follow the same practice and the said clause may be amended as under : The tenderer who have applied for corporate debt restructuring (CDR)/ Strategic debt restructuring (SDR)/ facing recovery preceding from Financial Institution/ facing winding up proceedings / those under NCLT in the last 5 Financial Years (i.e 2018-19 to 2022-23) shall not be considered for bid qualification. In this regard, the Bidder shall submit along with tender, **An affidavit that the bidder is not under CDR/SDR/ not facing recovery preceding from Financial Institutions / not facing winding up proceedings / not under NCLT need to be submitted by the tenderer.**	

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
16	32 of 143	**29.1 Security Deposit** Tenderer is required to submit the security deposit amount equivalent to 15% of total O&M Price for 7 years at the start of O&M period.	We understand O&M Security shall be submitted after the completion of 2 Years Design & Build Period for the period of 5 years. Bidder may be provided with an option to submit O&M Security @15% of the O&M of initial 2 years (For O&M of the Existing plan concurrent to Design Build period) Please confirm.	Tender condition prevails.
17		Price Schedule_10MLD TTP_Yelahanka, Schedule 3 Plant & Equipment,3.2.1 Electrical Work at KPTCL 11 KV Substation.	Items mentioned in schedule 3.2.1 Electrical Work at KPTCL 11 KV Substation are in contractor's scope or not. Kindly Clarify.	It is under contractor's scope
18	12-8	Part 12 Particular ElecSpecs_YTTP_Jan 2024 12.13.5 DC Power Supply, DC Power supply shall be provided for protection and control in 11kV Switchgears.Local circuit breaker shall be provided for batteries. A Conventional system operating at 110V DC using maintenance free rechargeable Ni-Cd batteries shall be provided and shall be complete with battery, **redundant battery charger with boost & trickle charging facilities**, necessary controls, indications and DC distribution board	We understand that redundant battery charger with **single battery bank** is required. Pls Confirm.	Confirmed.
19	12-14	Part 12 Particular ElecSpecs_YTTP_Jan 2024 FIRE ALARM & PROTECTION SYSTEM Fire alarm system shall be capable of notification of fire alarm, supervisory and trouble condition and to control fire safety functions. The design requirements are defined as part of design	Whether FIRE ALARM & PROTECTION SYSTEM is conventional or addressable. Kindly confirm.	Addressable.

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
		engineering, fire alarm scheme based on requirements of **NFPA 72, National Fire Alarm Code (2002 edition).**		
20	10 of Part – 1	**12. All Trees & Vegetation shall be removed after obtaining necessary permissions from the concerned authority and instructions of Engineer in Charge.**	Kindly confirm tree & Vegetation cutting / removing in Bidder scope or Employer scope. Please confirm	Confirmed, it is in bidder scope.
21	1 of Part 1	**1.1.1 10MLD Capacity TTP at Yelahanka** The existing 10MLD Capacity TTP based on IFAS technology at Yelahanka under CWSS Stage IV, Phase I and the plant was commissioned during the year 2003 by the contractor OTV. The project area is located in 3HVQ+CW4, Major AkshayGirish Kumar Rd, Yelahanka Satellite Town, Yelahanka New Town, Bengaluru, Karnataka 56006 and to treat flows received at Yelahanka CMC catchment area and the treated effluent is being pumped to Bangalore International Airport for reuse.	This is typo error, the said works are in scope of the project, thus we assume that there are no existing 10 MLD TTP on IFAS technology. This must be rectified.	Confirmed, existing TTP is not with IFAS.
22	Part 1, 10	All Trees Vegetation shall be removed after obtaining necessary permissions from the concerned authority and instructions of Engineer in Charge.	we understand this permission will be taken up by the BWSSB	The contractor to liaison with the concerned authority for obtaining the permission.
23	Part 1, Part 3	Background to project clause no 111	Existing 10 MLD TTP is a typo error and must be rectified	Yes, Bidder to read as 'The existing 10MLD Capacity TTP based on Conventional Extended Activated Sludge process followed by gravity media filters at Yelahanka under CWSS Stage IV, Phase I'
24	Particular electrical specs, Sec 12 page 14	Particular Electrical Specs	Whether Fire alarm and protection system is conventional for addressable	Addressable.
25	Particular electrical specs, Sec 12	Particular Electrical Specs	we understand that redundant type battery charger with single battery bank is required.	Confirmed.

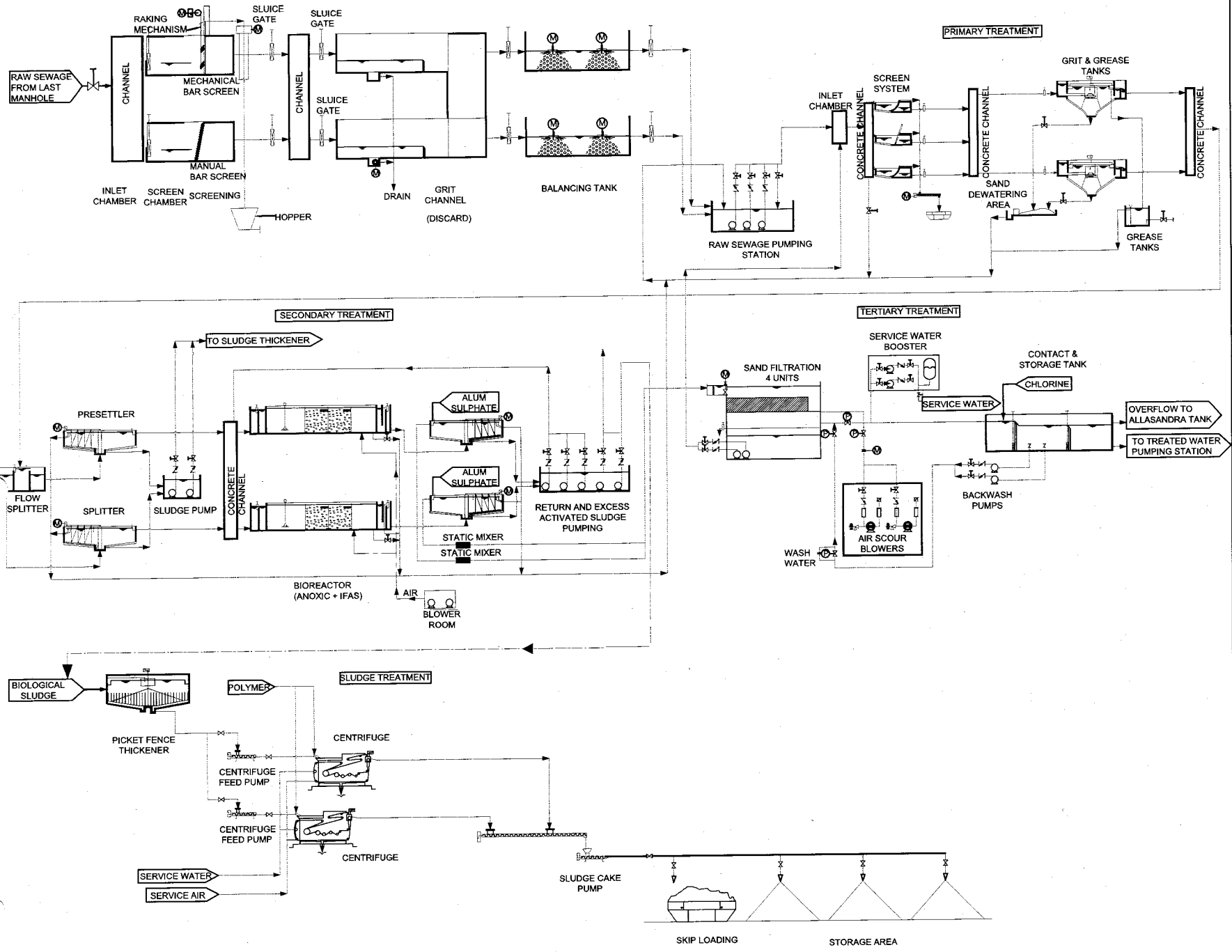
Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
	page 8			
26	Price schedule, Schedule 3 Plant and equipment	Electrical clause no 321 Electrical works	Kindly confirm 11 kv substation work is in scope of contractor.	It is under contractor's scope.
27	Vol 18	clause number 411 A	certificate from Statutory Auditor is not compulsory thus bidder can submit affidavit only.	Tender Conditions Prevail.
28	Vol 1, 15 of 143	General Construction Experience 47 A	Kindly consider last 7 Financial years	Tender Conditions Prevail.
29	Vol 1, 16	particular construction experience	Kindly consider particular construction experience in last 7 Financial years from the date of invitation of Bid	Tender Conditions Prevail.
30	Vol 1, 16	General experience in execution of STP	Kindly consider SBR Process in addition to EA, ASP and A2O Process	Tender Conditions Prevail.
31	Vol 1, 16	Experience in key activities specific experience in execution of STP	Kindly allow collaboration with technology provider to qualify for IFAS experience through MOU	Tender Conditions Prevail.
32	Vol 1, 17	Experience in Tertiary filtration	Kindly add experience of CETP and ETP along with STP in last 7 Financial Years preceding the date of Bid invitation of tender	Tender Conditions Prevail.
33	4.8 A) ii) General experience in execution of STPs	(ii) **General Experience in Execution of STPs** The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity based on the**	Request you to consider as "ii) **General Experience in Execution of STPs** The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete Design, Procurement, Supply, Installation, Construction,	Yes, Bidder to read as 'The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete new or up-gradation of existing, Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity based on the**

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
		EA/ASP /A2O Process in India and the plant / plants should be in operation for a period of One Year within the last Seven (7) years as on date of submission.	Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity based on the EA/ASP /A2O/SBR/MBBR/IFAS Process in India and the plant / plants should be in operation for a period of One Year within the last Seven (7) years as on date of submission."**	**EA/ASP/A2O/SBR/IFAS Process in India and the plant / plants should be in operation for a period of One Year within the last Seven (7) years as on date of submission.**
34	Process requirement part 5		Process requirement part 5 mentions about thickened sludge sump, however P&ID as does not mention about the same. There is no thickened sludge sump at site. Dewatered feed pump will directly suck the thickened sludge from sludge thickener bottom.	Bidder to follow Part 5 requirement of the Tender document.
35	Particular Mechanical requirement part 11		Particular mechanical requirement part 11 mentions about providing submersible mixers for secondary sludge sump as well as thickened sludge sump, however P&ID does not mention any mixers as well as part 11 BOQ does not mention any submersible mixers. Please confirm if submersible mixers need to be provided.	Bidders query is not clear. All the items mentioned in part11 has to be supplied. And in addition, if bidders design requires additional mixers for the functioning of plant, bidder shall supply them as per tender conditions & design.
36	As per P&ID		P&ID mentions the dosing of lime in the dewatered sludge (before feeding it to storage	Lime dosing system is deleted from the scope of the work.

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
			area), however part 11 document does not mention the same. Please confirm if Lime dosing is required. Understand from site that currently Silo installed at site for lime storage and then added in the dewatered sludge. Please confirm if the same Silo has to be considered.	
37	As per P&ID		As per P&ID, waste activated sludge is pumped back to the splitter box (Distribution chamber) before Primary clarifier. Normally WAS should be pumped to Sludge storage tank.	The contractor's understanding is correct. Waste activated sludge should be pumped to the sludge thickener.
38	Particular Mechanical requirement Part 11		For conveying captured screenings from mechanical screen, process requirement document mentions Belt conveyor as well as screw conveyor Part 11 document mentions Belt conveyor however Mechanical specification document (Part 8) only mentions about Screw conveyor + Compacter. Please confirm which type of conveying system need to offer.	Bidder can opt for either belt conveyor or screw conveyor as per their design & site condition.
39	Price schedule		Price schedule document (Schedule 3: Plant and Equipment) mentions motorized knife gate valve as well as manual gate valves for all the pumps and the drain line of clarifier. We understand that	Bidders understanding is correct. However motorized valves shall also to be provided on individual delivery lines of pumps as per part 8 of contract.

Sl. No.	Tender Reference	As per Tender Specifications	Bidders Queries	Client Response
			motorized valve shall be installed on the common discharge header line of the pumps and for clarifier drain line both manual and motorized gate valves are required. Please confirm	
40	Particular Mechanical requirement Part 11		Part 11 as well as P&ID does not mention about Airport pumping feed pumps. Please confirm if that needs to be replaced will the related accessories and piping.	Bidder to consider required no. of pumps replacement as per actual requirement at site.
41	Tenderer request		Also request you to kindly provide the autocad file for the STP layout.	Bidder to visit the site and ascertain.

Chief Engineer (WWM)-West
BWSSB, Cauvery Bhavan,
K.G. Road, Bengaluru - 560 009



Rev. No.	Date	Description	Drawn By	Designed By	Approved By
R 0	17-12-22	Submtion with DPR	AK	SS	PG

Name of Project :

Rehabilitation of Yelahanka Town 10 MLD Waste Water Treatment Plant

Client :

Banglore Water Supply & Sewerage Board

Consultant : NJS

NJS Engineers India Pvt. Ltd.
206, 2nd Floor, 12 Gagandeep Building,
Rajendra Place, New Delhi – 110 008
E-Mail : delhioffice@njsei.com

Drawing Name :

Proposed Process Flow Diagram for 10 MLD Yelahanka TTP, Bangaluru

Drawing No. :

BWSB/YEH/DPR/P/02

Scale:	Sheet No.	Sheet Size	Rev.
NTS	1 of 1	A3	R0

Corrigendum - 2

Sl. No.	Reference no.	Content as per Bid document	Amendment to Bid document
1	Volume 1, clause 4.8 A) Particular construction experience at page 16	ii) General experience in Execution of STPs The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete new or up-gradation of existing, Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity based on the EA/ASP/A2O Process in India and the plant / plants should be in operation for a period of One Year within the last Seven (7) years as on date of submission.**	ii) General experience in Execution of STPs The Applicant as a sole entity or a Lead Partner and or Partner in a Joint Venture shall have successfully executed, including complete new or up-gradation of existing, Design, Procurement, Supply, Installation, Construction, Testing, and Commissioning of all Civil, Mechanical, Electrical, and Instrumentation Works of **One (1) No. Sewage Treatment Plant Contract of 8 MLD capacity based on the EA/ASP/A2O/SBR/IFAS Process in India and the plant / plants should be in operation for a period of One Year within the last Seven (7) years as on date of submission.**

15/02/24

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